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(12) **United States Design Patent** (10) **Patent No.:** **US D845,226 S**  
**Hsu et al.** (45) **Date of Patent:** **\*\* Apr. 9, 2019**

- (54) **ELECTRODE OF A SOLAR CELL SUBSTRATE**
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D56,652 S *	11/1920	Cook	.....	D13/121
D56,653 S *	11/1920	Cook	.....	D13/121
D124,473 S *	12/1940	Lion	.....	D5/7
3,849,880 A *	11/1974	Haynos	.....	H01L 31/042 136/244
D278,901 S *	5/1985	Murphy	.....	D14/214
D280,817 S *	10/1985	Ohtsuji	.....	D14/214
D286,276 S *	10/1986	Vahlenbreder	.....	D12/163
D455,683 S *	4/2002	Leazenby	.....	D12/163
D459,279 S *	6/2002	Leazenby	.....	D12/163
D475,002 S *	5/2003	Leazenby	.....	D12/163
D535,591 S *	1/2007	Schiavone	.....	D12/163
D554,105 S *	10/2007	Langberg	.....	D14/214
D570,769 S *	6/2008	Holin	.....	D13/102
D589,938 S *	4/2009	Schlangen	.....	D14/214

(Continued)

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Apr. 2, 2015 (TW)	.....	104301777D02

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- (58) **Field of Classification Search**  
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D25/110, 119, 138  
CPC ..... H01L 21/22; H01L 31/00; H01L 31/02;  
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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D13,517 S *	1/1883	Hieronimus	.....	D5/60
D31,367 S *	8/1899	Porter	.....	D13/121

**OTHER PUBLICATIONS**

Hornung; Clarence Pearson, Handbook of Designs and Devices, Aug. 27, 1946, Dover Publications, pp. 185 and 186 (Year: 1946).\*

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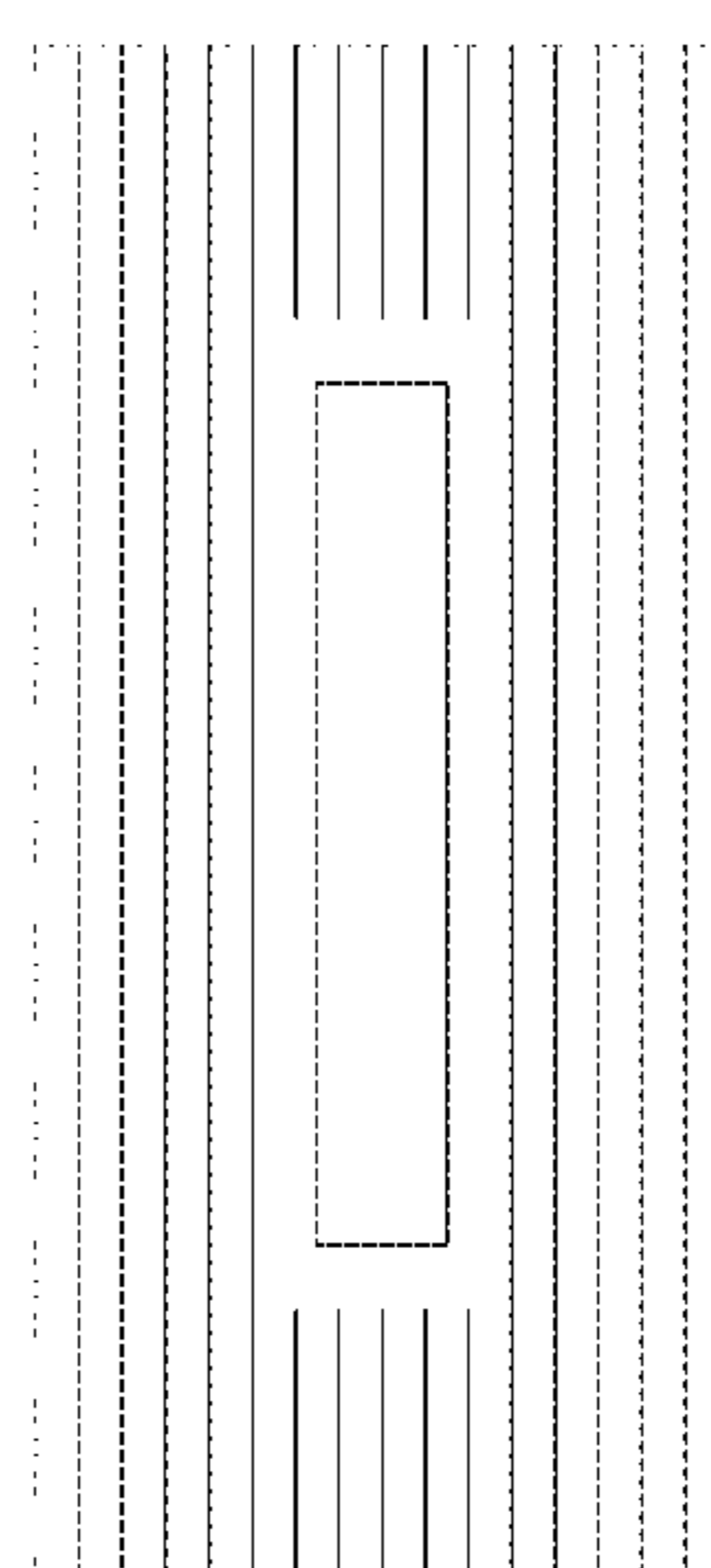
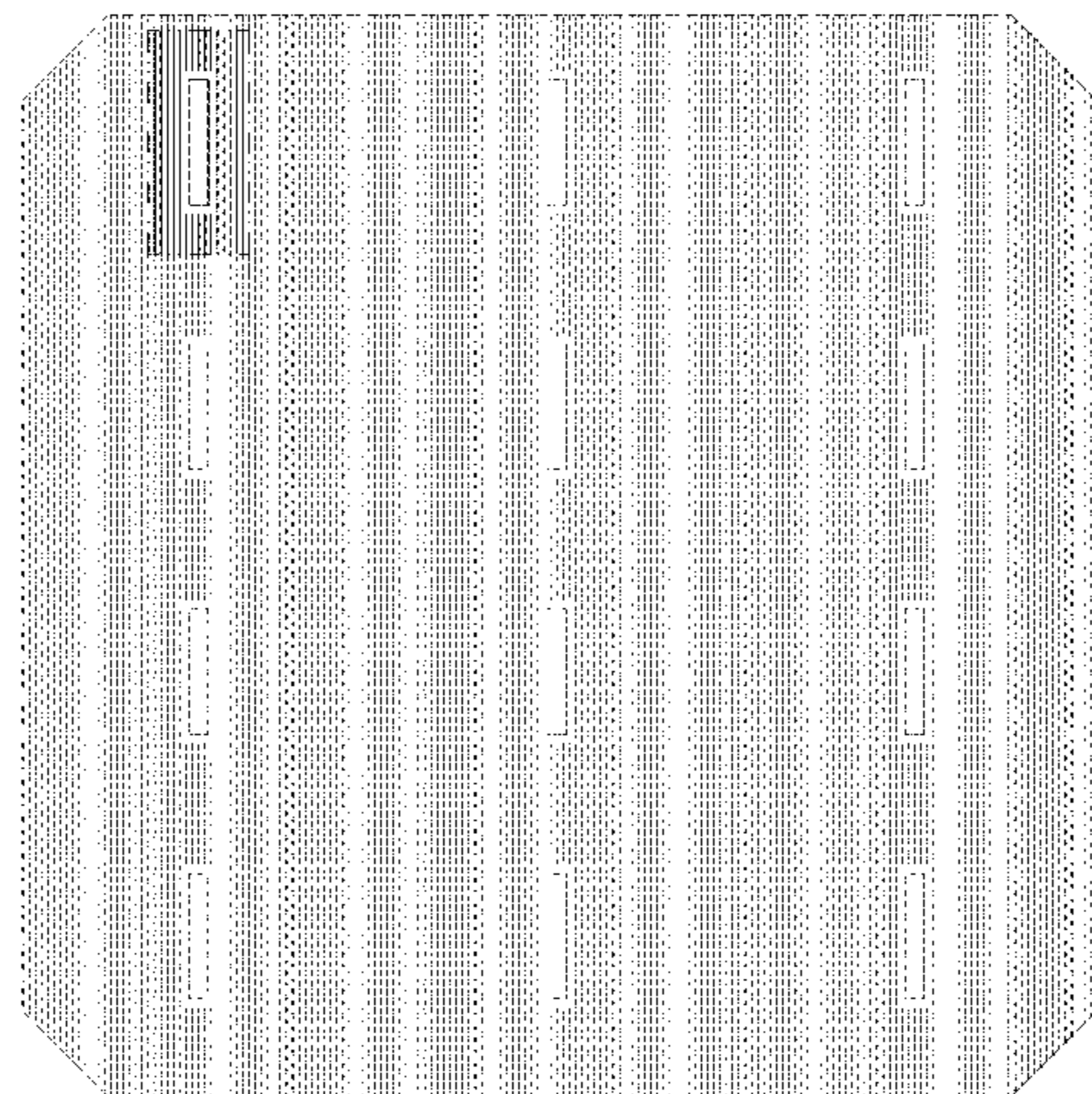
(57) **CLAIM**

The ornamental design for a electrode of a solar cell substrate, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a electrode of a solar cell substrate showing my new design; and, FIG. 2 is an enlarged view thereof. The broken lines showing of a solar cell substrate and electrodes are included for the purpose of illustrating environmental structure and form no part of the claimed design. The double dot chain lines represent the unclaimed boundary of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D605,593	S *	12/2009	Ohara	.....	D13/118
D633,880	S *	3/2011	Heng	.....	D13/182
D648,688	S *	11/2011	Heng	.....	D13/182
D690,261	S *	9/2013	Wu	.....	D13/102
D694,175	S *	11/2013	Kannou	.....	D13/102
D734,732	S *	7/2015	Nakabayashi	.....	D13/182
D742,360	S *	11/2015	Narita	.....	D14/213
D748,573	S *	2/2016	Becker	.....	D13/102
D754,597	S *	4/2016	Osborn	.....	D13/102
D788,073	S *	5/2017	Silvera	.....	D14/204
D788,075	S *	5/2017	Bailey	.....	D14/204
D791,723	S *	7/2017	Klingebiel	.....	D13/184
D830,962	S *	10/2018	Fang	.....	D13/102
D830,963	S *	10/2018	Fang	.....	D13/102
2007/0144577	A1 *	6/2007	Rubin	.....	H01L 31/02243 136/256
2014/0124027	A1 *	5/2014	Teshima	.....	H01L 31/0504 136/256
2014/0366937	A1 *	12/2014	Lee	.....	H01L 31/02167 136/256
2016/0284873	A1 *	9/2016	Hsu	.....	H01L 31/0201
2016/0284883	A1 *	9/2016	Feng	.....	H01L 31/02168

\* cited by examiner



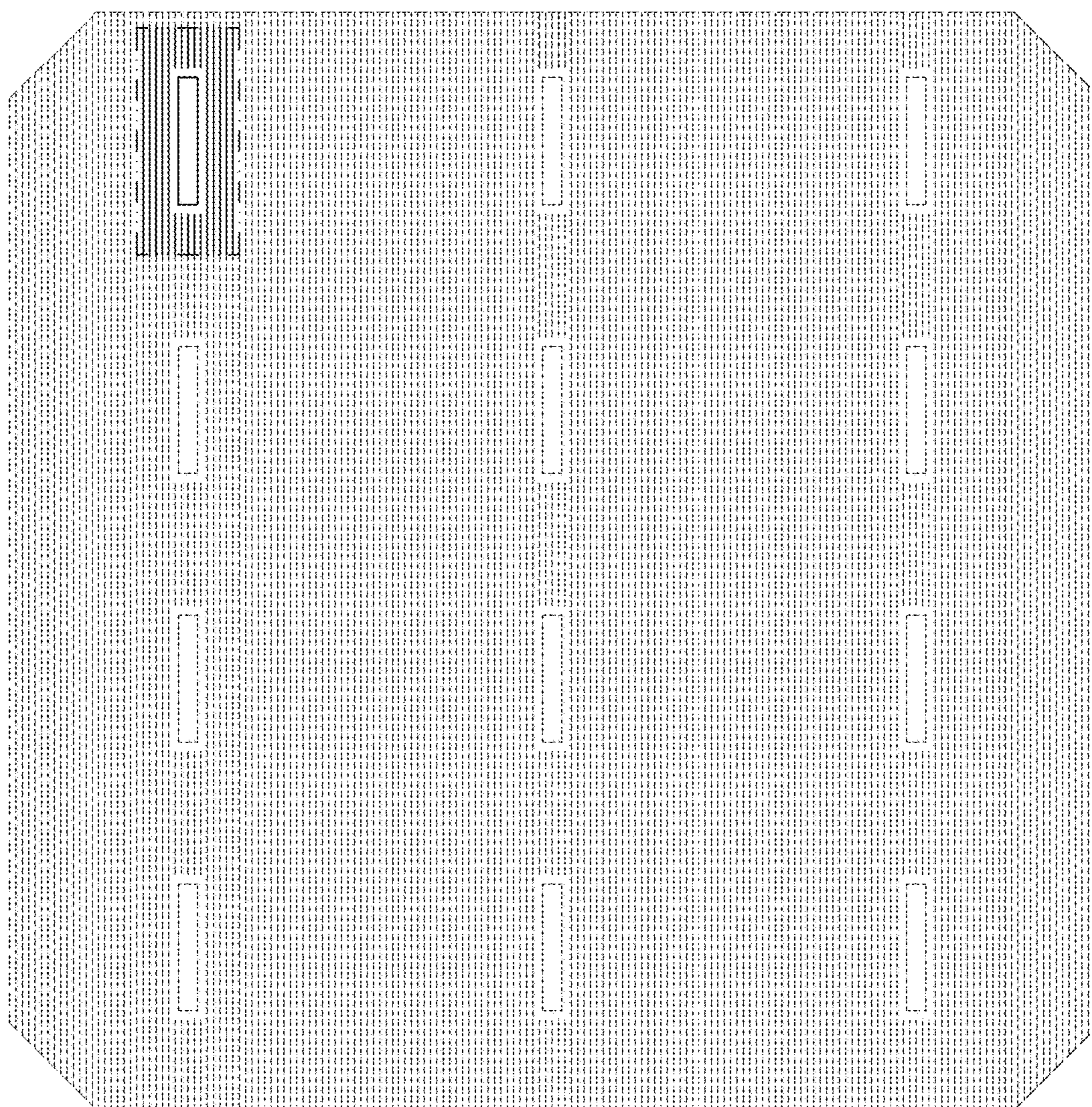


FIG. 1

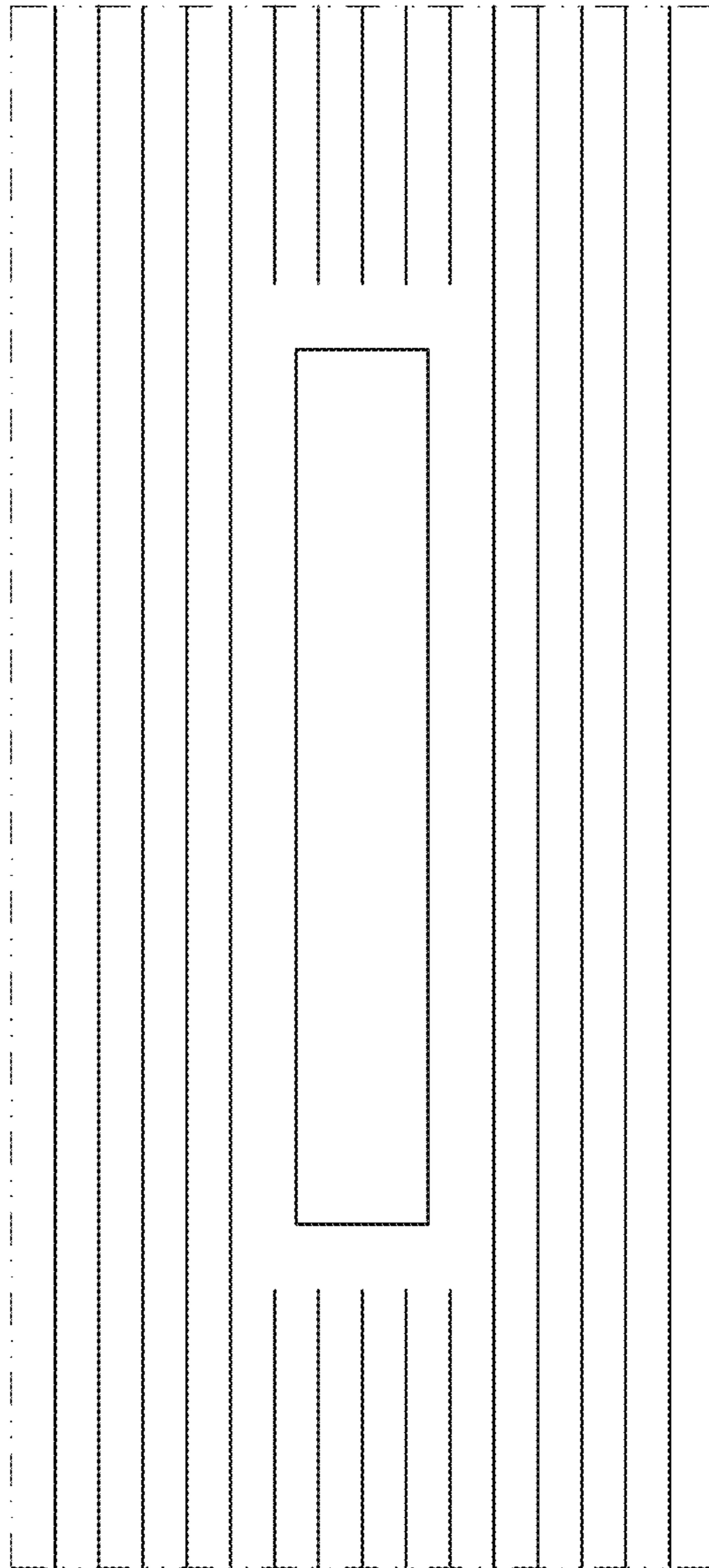


FIG. 2